Transmittals of Shop Drawings, Equipment Data, Material, Samples, Manufacturer's Certificates of Compliance for Review	Date: 1/10/2017	Transmittal Number: 3

Section I (Contractor)

TO: MELISSA HILBRAY	From:	Contract Number:	LNCC Job Number:
General Services Administration	Lummi Nation Construction Company	GS-10-P-16-LT-D-7002/ GS-P-10-17-LT-0002	2
400 15th St	2665 Kwina RD	Project Name & Location:	
Auburn WA 98001	Bellingham, WA 98226	Sumas Kitchen Upgrade Land Port of Entry, 03 Cherry Street. Sumas, WA 98295	

Item No:	Description (Iinclude Brand Name or Manufacturer's Name)	Submittal Number	Spec Section	Contract Drawing Number	Action Code
1	Sumas Kitchen Oven - NE58K9430SS	1	N/A	N/A	
2	2' UNDER COUNTER FIXTURE SPEC SHEET	1	N/A	N/A	
3	2X2 LED FIXTURE	1	N/A	N/A	

Name & Signature of Contractor:

Contractor certifies he has reviewed the plans and specifications, the submittal is in accordance with the contract documents or deviations are clearly identified; individual product characteristics and assemblies have been coordinated with actual field conditions; systems are complete; system and system components can be installed and will function as intended.

AL TIMMER

Section II (Reviewer)

For review and comment

Reviewed By:	Signature (Reviewer):	Date:

| Action Codes:	A-	Approved	D-	Rejected
	B-	Approved as Noted	E-	Other_____
	C-	Approved as Noted; Rev & Resub.		

NE58K9430SS
## 5.8 cu. ft. Slide-In Electric Range

Features

- Dual Convection
- Slide-In Design
- Flexible Cooktop -- 5 Electric Elements
  - Two Dual Burners (9"/12", 6"/9")
  - Two Single Burners (6")
  - Warming Center (7")
- Glass-Touch Controls
- Large Oven Capacity: 5.8 cu. ft.
- Wide View Door
- Storage Drawer
- Hidden Bake Element
- Sabbath Mode

Convenience

- Self + Steam Clean
- Hot Surface Indicator Lights
- Auto Oven Light
- Proofing
- Kitchen Timer
- Delay Start
- Auto Shut-Off Option
- Child Safety Lock
- 3 Preset Easy Cook Options
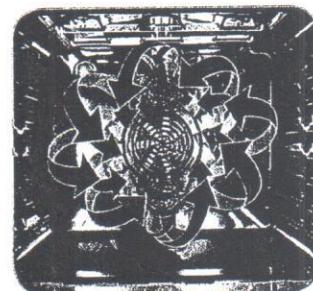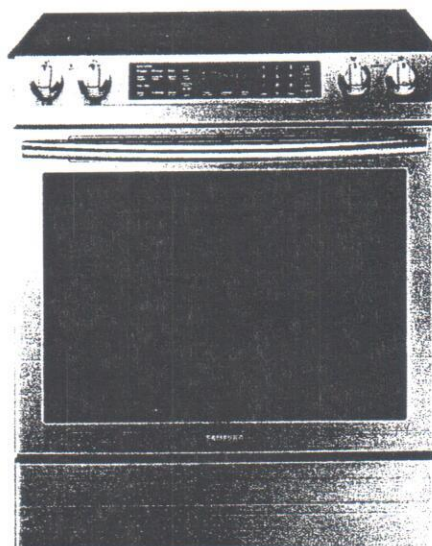
Dual Convection
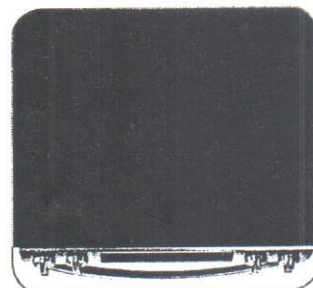
Flexible Cooktop

Available Color

Stainless Steel

Signature Features

DUAL CONVECTION

- Faster and more even cooking.
- Two fans circulate air throughout the oven.

SLIDE-IN DESIGN

- Blends seamlessly with your kitchen for a modern and built in look.
- Creates a high-end look without having to remodel.

FLEXIBLE COOKTOP

- Flexible 5 element cooktop with 2 double elements accomodates multiple pan sizes.
- 12"/9" and 9"/6" double elements allow for optimal placement and flexibility for various pots and pans.

SAMSUNG

NE58K9430SS

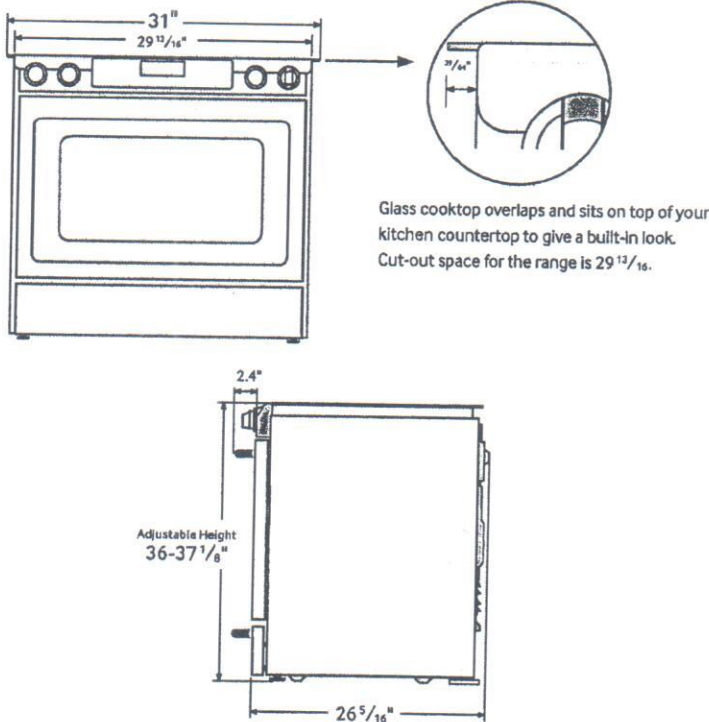5.8 cu. ft. Slide-In Electric Range

Installing Your Range

30" minimum clearance between the top of the cooking surface and the bottom of an unprotected wood or metal cabinet; or 24" minimum when the bottom of the wood or metal cabinet is protected by not less than 1/4" flame-retardant millboard covered with not less than no.28 MSG sheet steel, 0.015" stainless steel, 0.024" aluminum or 0.020" copper.

** 18" minimum between the countertop and the adjacent cabinet bottom.
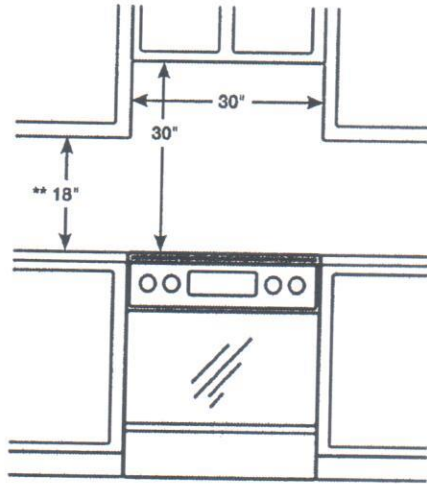
IMPORTANT: To eliminate the risk of burns or fire caused by reaching over heated surface units, cabinet storage space located above the surface units should be avoided. If cabinet storage is to be provided, the risk can be reduced by installing a range hood that projects horizontally a minimum of 5" beyond the bottom of the cabinets.

DIMENSIONS

Glass cooktop overlaps and sits on top of your kitchen countertop to give a built-in look. Cut-out space for the range is 29 13/16".

Electric Ceramic Cooktop

* Right Front: 9/12", 3.0 kW
* Left Front: 6/9", 3.0 kW
* Right Rear: 6", 1.2 kW
* Left Rear: 6", 1.2 kW
* Warm Center: 100 W

Oven

* Hidden Bake Element: 3000W
* Bake: 175°F - 550°F
* Convection Bake: 175°F - 550°F
* Convection Roast: 175°F - 550°F
* Broil (Low – High)
* Convection Element/Heater: 1250 W
* Proofing
* Sabbath Mode
* Storage Drawer Capacity – 0.7 cu. ft.

Warranty

One (1) Year All Parts and Labor
Five (5) Years Electric Cooktop

Product Dimensions & Weight (WxHxD)
Outside Net Dimensions:
31" x 36-37 1/8" (Adjustable) x 26 5/16"

Weight: 191.6 lbs.

Shipping Dimensions & Weight (WxHxD)
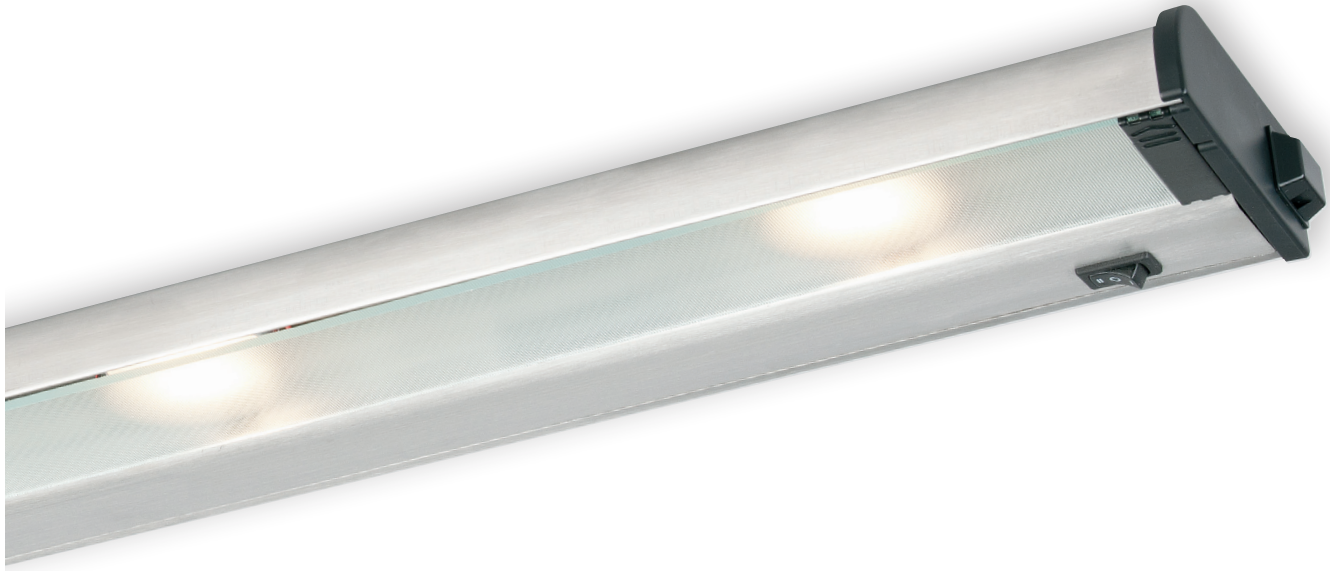Dimensions:
33 1/16" x 41 3/4" x 30 5/16"

Weight: 215.8 lbs.

Color	Model #	UPC Code
Stainless Steel	NE58K9430SS	887276132136

SAMSUNG

CounterAttack LED

120V Portable / Linkable

Fixture

- 120v portable/hardwire
- 35,000 hour LED, 2,850k +/- 150k
- Dimmable with standard Incandescent dimmer (must meet minimum load of dimmer)
- Maximum of 120 LED light engines per power feed

Body

- Metal Construction
- Hinged, removable, UV coated, glass prismatic diffuser for maximum light distribution
- Trade-sized knockouts on back and top for through-wiring, wiremold, flex, romex or rigid conduit
- Internal connectors allow instant hardwiring without wire nuts
- On/Off switch
- UL/C-UL Listed for damp location

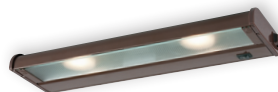### Finishes

- Bronze (BZ), Stainless Steel (SS) and White (WT)
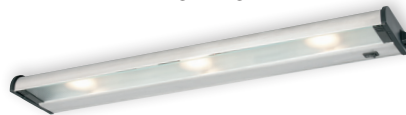
NCA-LED-8

120V 8" 1-4.5W Light Engines

NCA-LED-16

120V 16" 2-4.5W Light Engines
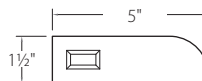
NCA-LED-24

120V 24" 3-4.5W Light Engines

NCA-LED-32

120V 32" 4-4.5W Light Engines

CounterAttack LED

35,000 hour LED, 2,850k +/- 150k   120v portable/hardwire

	L X W X H	Lamps	Type	White – WT	Bronze – BZ	Stainless Steel – SS
8"	8" x 5" x 1½"	1	SPEEDLINK	NCA-LED-8-WT	NCA-LED-8-BZ	NCA-LED-8-SS
16"	16" x 5" x 1½"	2	SPEEDLINK	NCA-LED-16-WT	NCA-LED-16-BZ	NCA-LED-16-SS
24"	24" x 5" x 1½"	3	SPEEDLINK	NCA-LED-24-WT	NCA-LED-24-BZ	NCA-LED-24-SS
32"	32" x 5" x 1½"	4	SPEEDLINK	NCA-LED-32-WT	NCA-LED-32-BZ	NCA-LED-32-SS

Counter Attack LED

Fixture

- 120v portable/hardwire
- 35,000 hour LED, 2,850k +/- 150k
- Dimmable with standard Incandescent dimmer (must meet minimum load of dimmer)
- Maximum of 120 LED light engines per power feed

Finishes

- Bronze (BZ), Stainless Steel (SS) and White (WT)

Body

- Metal Construction
- Hinged, removable, UV coated, glass prismatic diffuser for maximum light distribution
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- Internal connectors allow instant hardwiring without wire nuts
- On/Off switch
- UL/C-UL Listed for damp location

SpeedLink

- SpeedLink™ allows fast and easy linking of multiple units.
- Custom connectors allow end-to-end mounting with instant electrical connections – no wiring between units
- If not mounted end-to-end, SpeedLink™ inter-connect cables allow easy and fast linking.
- Master Switch module (CS-1) controls a run of CounterAttack SpeedLink™ with a single switch. Available in WT, BZ and SS.

End-to-End connections - standard   CS-1 Master Switch   Portable Cord and Plug

SpeedLink Accessories

	L X W X H	White	Bronze	Stainless Steel
Master Switch	5" x 3¾" x 1½"	CS-1	CS-1BZ	CS-1SS
		White	Black	
Portable Cord	96"	PL-96 WT	PL-96 BK	

PHILIPS

Recessed

EvoKit LED Retrofit Kits Gen 3

2'x2'

Project: _____

Location: _____

Cat.No: _____

Type: _____

Lamps: _____ Qty: _____

Notes: _____

Philips EvoKit LED Retrofit Kit is an energy efficient LED alternative to traditional linear fluorescent troffers. Not only does it offer energy savings[1], it also helps reduce maintenance costs due to its long lifetime. Simple construction helps decrease the installation time meaning you can have an LED solution in your ceiling in just minutes.

Ordering guide

Product Number	Description	Watts	Volts	Lumen Maintenance (Hrs.)[2]	Approx. Lumens[3]	CRI	Color Temperature (K)
2'x2' Stock SKUs							
506766	EvoKit 2x2 P 32L 28W 840 2 0-10 7 G3	28	120-277	70,000	3200	80	4000
506741	EvoKit 2x2 P 32L 30W 835 2 0-10 7 G3	30	120-277	70,000	3200	80	3500
506840	EvoKit 2x2 P 32L 31W 840 5 Mk10 7 G3	31	277	70,000	3259	80	4000
2'x2' Made to Order SKU's*							
506485	EvoKit 2x2 P 23L 20W 840 2 0-10 7 G3	20	120-277	70,000	2300	80	4000
507087	EvoKit 2x2 P 23L 20W 850 2 0-10 7 G3	20	120-277	70,000	2300	80	5000
506469	EvoKit 2x2 P 23L 21W 835 2 0-10 7 G3	21	120-277	70,000	2300	80	3500
507293	EvoKit 2x2 P 23L 21W 840 6 0-10 7 G3	21	347	70,000	2300	80	4000
507285	EvoKit 2x2 P 23L 22W 835 6 0-10 7 G3	22	347	70,000	2300	80	3500
507186	EvoKit 2x2 P 23L 22W 835 2 STEP 7 G3**	22	120-277	70,000	2274	80	3500
506493	EvoKit 2x2 P 23L 22W 835 1 Mk10 7 G3	22	120	70,000	2274	80	3500
507194	EvoKit 2x2 P 23L 22W 840 2 STEP 7 G3**	22	120-277	70,000	2361	80	4000
506576	EvoKit 2x2 P 23L 22W 840 1 Mk10 7 G3	22	120	70,000	2361	80	4000
506618	EvoKit 2x2 P 23L 23W 835 5 Mk10 7 G3	23	277	70,000	2274	80	3500
506709	EvoKit 2x2 P 23L 23W 840 5 Mk10 7 G3	23	277	70,000	2361	80	4000
507111	EvoKit 2x2 P 32L 28W 850 2 0-10 7 G3	28	120-277	70,000	3200	80	5000
507400	EvoKit 2x2 P 32L 29W 840 2 SR 7 G3	29	120-277	70,000	3200	80	4000
507319	EvoKit 2x2 P 32L 29W 840 6 0-10 7 G3	29	347	70,000	3200	80	4000
506857	EvoKit 2x2 P 32L 29W 850 2 SR 7 G3	29	120-277	70,000	3200	80	5000
507301	EvoKit 2x2 P 32L 30W 835 6 0-10 7 G3	30	347	70,000	3200	80	3500
507210	EvoKit 2x2 P 32L 30W 840 2 STEP 7 G3**	30	120-277	70,000	3259	80	4000
507392	EvoKit 2x2 P 32L 31W 835 2 SR 7 G3	31	120-277	70,000	3200	80	3500
507202	EvoKit 2x2 P 32L 31W 835 2 STEP 7 G3**	31	120-277	70,000	3265	80	3500
506782	EvoKit 2x2 P 32L 31W 840 1 Mk10 7 G3	31	120	70,000	3259	80	4000
506774	EvoKit 2x2 P 32L 32W 835 1 Mk10 7 G3	32	120	70,000	3265	80	3500
506832	EvoKit 2x2 P 32L 33W 835 5 Mk10 7 G3	33	277	70,000	3265	80	3500

See footnotes on page 5.

EvoKit LED Retrofit Kit 2'x2'

Application

· A highly efficient, visually comfortable, architecturally styled LED retrofit kit designed to replace recessed linear fluorescent troffers.

· Unique modular design offers refreshing new look in the ceiling when compared to traditional fluorescent luminaires.

· Single light bar combined with slanted troffer helps reflect light to reduce glare and provide uniform light distribution making it ideal for applications such as offices, schools, healthcare and retail.

· Excellent color rendering with a CRI above 80.

· Extremely high efficacies up to 118 lumens per watt.

· LEDs are an excellent source for use with controls since dimming or frequent switching does not degrade the performance or life of the source.

· Designed for use with Standard Grid (NEMA "G") or Narrow Grid (NEMA "NFG") ceiling T-Grids.

· High efficiency source and luminaire design help significantly reduce energy consumption and more easily comply with known energy codes.

· Helps meet regulation requirements such as ASHRAE 90.1 and Title 24 when matched with suitable controls.

Construction/Finish

· Simple design allows for quick installation (under 4 minutes) in existing luminaire without the need to break the ceiling plenum.

· Constructed using galvanized steel which helps fight rust and makes for more durable product.

· Minimum depth of only 3" necessary to allow proper clearance and installation of the EvoKit.

· Retrofit kit is powder coated after fabrication with high quality, durable finish to ensure no unfinished edges and avoid future potential of corrosion.

· Components fit together easily without the need for tools during installation.

Electrical

· Multiple driver options available
  – 0–10V dimming satisfies universal voltage requirements.
  – Mark10 leading edge dimming offers ability to dim without pulling neutral wires making it compatible with more existing systems.
  – Step dimming to 40%.

· 5 year limited warranty includes all components of the retrofit kit, including driver, LED board and nonelectrical components.***

· Listed with UL and Design Lights Consortium to ensure quality performance and safety standards are met.· High efficiency LEDs have a minimum 70,000 hour rated life (L_{70}).

Enclosure

· Diffuser requires no frames or fasteners and can be easily removed from below without tools if needed.

Accessories

· Earthquake cables available for extra securement within the ceiling for areas prone to extreme conditions.

· Suitable for use with Philips 503441 emergency backup.

· Suitable for use with a wide range of control systems.

· Appropriate for new construction when used with standard listed lensed or parabolic troffers.

Prod. No.	Description
502435	EvoKit Accessory Earthquake Cable 317mm
502575	EvoKit 2x2 Replacement Lens
503441	EvoKit Field Installed Emergency Battery Backup

EvoKit with new SimpleSet Technology for wireless lumen level programming

EvoKit with new SimpleSet Technology allows the maximum lumen level to be set prior to installation using a smartphone–based app without requiring power to the luminaire. Available in the 0–10V and SR versions only. The app can be downloaded at Google Play. Please contact your Philips representative for the current list of approved Android smartphones. Distributors can set lumen levels prior to shipping, and contractors can set lumen levels prior to installation. Lumen level is quickly and easily set in two steps:


Step 1: Place the smartphone next to the NFC antenna on the driver.

Step 2: Follow the on–screen instructions.

EvoKit LED Retrofit Kit 2'x2'

## EvoKitSR with Xitanium SR for connected lighting solutions

EvoKitSR is a new platform that allows users to choose different control platforms to suit their needs and budget; from simple occupancy and daylight sensing to cloud-connected data-reporting sensing. This empowers users to fine-tune their energy use for reduced energy costs. Contact your Philips representative for a current list of approved sensors. Sensors are connected in the field with just a few simple steps:
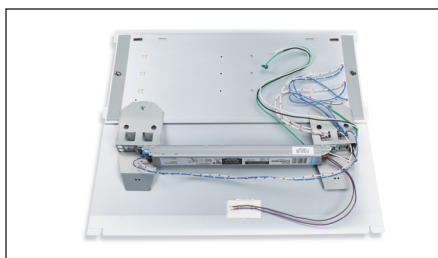
Step 1: EvokitSR is shipped with a plate covering the sensor hole. There are two wires secured to the back of the plate.

Step 2: The plate can be removed before or after you install EvoKit SR. Just gently slide the plate to one end and remove.
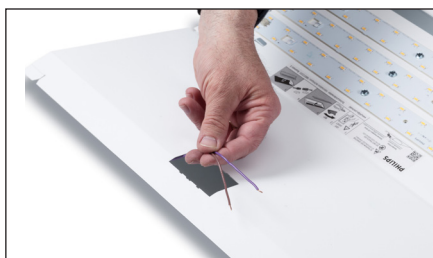
Step 3. Remove the two wires that were secured to the back of the plate.

Step 4: Take these two wires and insert them into the sensor. They are not polarity sensitive.

Step 5: Insert the sensor back into the hole. The sensor may or may not require a socket.

SpaceWise Technology 4.1 (SWZ) – To be purchased separately

- Optional SpaceWise automated wireless technology via the unique Philips Evokit SpaceWise Accessory provides integrated occupancy and daylight harvesting for additional control and energy savings. Requiring no system re-wiring, SpaceWise technology is ideal for retrofit applications.

- Occupancy and daylight sensors are integral to each luminaire. Luminaires in large rooms and open plan areas are grouped together up to a maximum of 50 using a handheld remote so room lighting turns on at first sign of occupancy.

- Upon first entry, grouped luminaires brighten up gently to a background level. Once occupants arrive at their workstations, luminaires in the immediate area brighten up to full illumination and will dim down when no presence is detected. Grouped luminaires will dim to off when no presence is detected in the group.

- Daylight sensing is automatic and re-calibration occurs daily when luminaires turn on.

- The SpaceWise Accessory, when combined in the field with any standard 0-10 dimmable Evokit, will transform the kit into a SpaceWise-enable retrofit kit. There are two variations of the accessory, one for the Evokit 2x4 and on for the Evokit 2x2.

EvoKit			
Model	Initial Lumens	Input Power	Lumens per Watt
EvoKit 2x2 P 32L 28W 840 2 0-10 7 G3 (506766)	3200	28	114

Prod. No.	12NC	Description
503599	929000725913	EvoKit 2x2 SpaceWise Accessory
504449	913700359103	Spacewise Programming Tool
455436	913700364403	Switch/Dimmer
455428	913700364203	4 position scene selector

EvoKit with Spacewise (SWZ)			
Model	Initial Lumens	Input Power Max Output (W)	Input Power Background Output (W)
High Power Setting (120/277V)	3200	28	9
Medium Power Setting (120/277V)	2816	25	8
Low Power Setting (120/277V)	2464	22	7
Minimum Power Setting (120/277V)	2112	18	6

EvoKit LED Retrofit Kit 2'x2'

Dimensions

A Face Plate Length	B Face Plate Width	C Height
23.9"	23.9"	2.95"
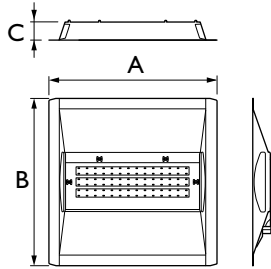
Energy Saving Solution – 2'x2'

Present Wattage	59	W
x Annual Operating Hours	4,380	hrs
=	258,420	watt–hours
÷1,000 =	258.42	kWh per year
x kWh rate of $0. 11 =	$28.43	per year
x 125 fixtures =	$3,553.28	annual energy cost per space

Present Wattage	28	W
x Annual Operating Hours	4,380	hrs
=	122,640	watt–hours
÷1,000 =	122.64	kWh per year
x kWh rate of $0. 11 =	$13.49	per year
x 125 fixtures =	$1,686.00	annual energy cost per space

Total Estimated Annual Savings◊   = $1,867.00

◊ Based on 125 fixtures per space operating 4,380 hours a year. 125 fixtures is roughly equivalent to a 10,000 square foot space. kWh rates will vary.

2'x2' EvoKit, P 23L 23W 835 5 Mk10 7 G3, 2185 delivered lumens

Catalog No.
Test No.   x223L
S/MH   1.2
Lamp Type   LED
Ballast
Lumens/Watt   93
Input Watts   23

Comparative yearly lighting energy cost per 1000 lumens - $2.58 based on 3000 hours and $0.08/kWh

The photmetric results were obtained in the Design Lights Consortium Test Lab which is NVLAP accredited by the National Institute of Standards and Technology

Photometric values based on tests performed in compliance with LM-79

Candlepower

Angle	End	45	Cross	Back–45
0	782	782	782	782
5	780	778	779	777
15	746	745	747	741
25	677	679	686	675
35	580	590	604	584
45	465	486	510	480
55	349	381	416	375
65	236	279	315	274
75	132	174	201	169
85	41	62	72	57

Coefficients of Utilization
EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	108	103	98	105	101	96	96	93
2	97	90	82	94	88	81	83	79
3	89	79	69	86	77	68	73	67
4	81	69	60	79	68	59	66	57
5	75	61	53	72	60	52	58	51
6	68	56	46	68	55	46	53	46
7	64	51	41	63	50	41	47	40
8	59	46	38	57	46	36	44	36
9	56	42	34	55	41	34	40	34
10	53	39	30	51	39	30	38	30

Light Distribution

Degrees	Lumens	% Luminaire
0–30	596	27.3
0–40	963	44.1
0–60	1675	76.7
0–90	2185	100

Average Luminance

Angle	End	45°	Cross
45	2310	2416	2537
55	2138	2334	2549
65	1966	2322	2623
75	1793	2364	2736
85	1642	2481	2892

EvoKit LED Retrofit Kit 2'x2'

2'x2' EvoKit, P 32L 31W 835 2 SR 7 G3, 2971 delivered lumens

Catalog No.
Test No.	x232L
S/MH	1.2
Lamp Type	LED
Ballast	
Lumens/Watt	98
Input Watts	30

Comparative yearly lighting energy cost per 1000 lumens – $2.45 based on 3000 hours and $0.08/kWh

The photometric results were obtained in the Design Lights Consortium Test Lab which is NVLAP accredited by the National Institute of Standards and Technology

Photometric values based on tests performed in compliance with LM-79

Candlepower

Angle	End	45	Cross	Back–45
0	1059	1059	1059	1059
5	1056	1053	1055	1052
15	1010	1008	1012	1004
25	917	921	930	914
35	787	799	819	792
45	634	660	694	651
55	477	519	566	511
65	325	381	431	373
75	183	239	276	232
85	58	85	99	79

Coefficients of Utilization
EFFECTIVE FLOOR CAVITY REFLECTANCE 20 PER (pfc=0.20)

pcc	80			70			50	
pw	70	50	30	70	50	30	50	30
RCR								
0	118	118	118	115	115	115	111	111
1	108	103	98	105	101	96	96	93
2	97	90	81	94	88	81	83	79
3	89	78	69	86	77	68	73	67
4	81	68	59	79	68	59	66	57
5	75	61	53	72	60	52	58	51
6	68	56	46	67	55	46	53	45
7	64	51	41	63	50	40	47	40
8	59	46	38	57	46	36	44	36
9	56	41	34	55	41	34	40	33
10	53	39	30	51	39	30	38	30

Light Distribution

Degrees	Lumens	% Luminaire
0–30	807	27.2
0–40	1305	43.9
0–60	2274	76.5
0–90	2971	100

Average Luminance

Angle	End	45°	Cross
45	3149	3280	3448
55	2923	3180	3471
65	2703	3169	3586
75	2488	3239	3747
85	2340	3434	3976

FOOTNOTES:
1) Please refer to the energy saving chart on page 3 for details.
2) L_{70} 72,000 hours @ 35°C based on TM21 and LM80.
3) Based on photometric testing consistent with IES LM-79.
* "Made-To-Order" product is not kept in inventory. Minimum quantities will apply.
** These products do not meet DLC criteria.
*** Please visit www.philips.com/warranties for full details.
† DLC requires the product to meet specific performance requirements regarding:
   lumen output, spacing criteria, lumens per watt, color temperature, CRI, lifetime and warranty.